

Matthias Lehmann

PHD STUDENT

Cologne, Germany

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Research Interests

Reinforcement learning applications, reinforcement learning from human preferences, deep learning and human-in-the-loop learning

Education

Ph.D. in Supply Chain Management

Cologne, Germany

UNIVERSITY OF COLOGNE

Since Oct. 2021

- Research on applications of human-in-the-loop reinforcement learning
- Relevant coursework: Machine Learning, Introduction to Reinforcement Learning & Deep Learning, Statistical Inference, Microeconometrics
- Expected graduation date: end of 2024

B.Sc. in Mathematics, Minor in Computer Science

Hagen, Germany

FERNUNIVERSITÄT HAGEN

Since Apr. 2021

- Expected graduation date: 12/23

M.Sc. in International Management (CEMS)

Cologne, Germany

UNIVERSITY OF COLOGNE

Oct. 2018 - Jan. 2021

- Average grade: 1.2, among the top 5% of graduates
- Exchange semester at Rotterdam School of Management

B.Sc. in Business Administration

Cologne, Germany

UNIVERSITY OF COLOGNE

Oct. 2015 - Feb. 2018

- Average grade: 1.2, among the top 1% of graduates
- Summer school in New York in 2016

Experience

University of Cologne

Cologne, Germany

TEACHING ASSISTANT

Since Oct. 2021

- Supervision of bachelor's and master's theses
- Graduate level courses: Python programming & machine learning course, supply chain research seminar
- Organizing committee of the international conference "CEMS Research Seminar on Supply Chain Management"

REWE

Cologne, Germany

DATA SCIENCE INTERN

Apr. 2021 - Oct. 2021

- Developed a transformer-based classification model to automatically allocate 100,000 products based on their names to product groups with human-expert level accuracy
- Developed a machine learning model to forecast sales as control group for field experiments
- Research project on improving product availability through deep learning

HKCF Corporate Finance

Cologne, Germany

CONSULTANCY INTERN

Feb. 2018 - Apr. 2018

- M&A and debt financing projects

Skills

Programming Python, \LaTeX , SQL, Git

Frameworks TensorFlow, NumPy, Pandas

Languages English, German

Honors & Awards

Since 2021 **PhD Scholarship**, Cologne Graduate School in Management, Economics and Social Sciences

Cologne, Germany

2015-2020 **Scholarship**, "Deutschlandstipendium" for gifted students

Cologne, Germany

2006-2014 **5-time award winner**, Mathematical Olympiad, state-wide round

Germany

2006-2014 **8-time award winner**, math competition "Mathematical Kangaroo"

Germany

Interests

- Tennis: team captain and engaged in training youth players
- Chess
- Soccer
- Cooking